Adventures in Aeronautics			
2009 Mathematics			
Academic Standards			
Nebraska Mathematics			
Grade 3			
Activity/Lesson	**State**	**Standards**	
Adventures in Aeronautics	NE	MA.3.MA 3.1.1.g	Compare and order whole numbers through the thousands
Adventures in Aeronautics	NE	MA.3.MA 3.1.2.a	Represent multiplication as repeated addition using objects, drawings, words, and symbols (e.g., 3 x 4 = 4 + 4 + 4)
Adventures in Aeronautics	NE	MA.3.MA 3.1.2.b	Use objects, drawings, words and symbols to explain the relationship between multiplication and division (e.g., if 3 x 4 = 12 then 12 ÷ 3 = 4.)
Adventures in Aeronautics	NE	MA.3.MA 3.1.2.c	Use drawings, words, and symbols to explain the meaning of the factors and product in a multiplication sentence (e.g., in 3 x 4 = 12, 3 and 4 are factors and 12 is the total or product. The first factor (3) tells how many sets while the second factor tells how many are in each set. Another way to say this is that 3 groups of 4 equals 12 total.)
Adventures in Aeronautics	NE	MA.3.MA 3.1.2.d	Use drawings, words, and symbols to explain the meaning of multiplication using an array (e.g., an array with 3 rows and 4 columns represents the multiplication sentence 3 x 4 = 12)
Adventures in Aeronautics	NE	MA.3.MA 3.1.3.a	Compute whole number multiplication facts 0 – 10 fluently
Adventures in Aeronautics	NE	MA.3.MA 3.1.3.b	Add and subtract through four-digit whole numbers with regrouping
Adventures in Aeronautics	NE	MA.3.MA 3.1.4.a	Estimate the two-digit product of whole number multiplication and check the reasonableness
Adventures in Aeronautics	NE	MA.3.MA 3.2.2.b	Determine the distance between two whole number points on a number line
Adventures in Aeronautics	NE	MA.3.MA 3.2.5.c	Identify time of day (e.g., am, pm, noon, midnight)
Adventures in Aeronautics	NE	MA.3.MA 3.3.2.a	Model situations that involve the addition and subtraction of whole numbers using objects, number lines, and symbols
Adventures in Aeronautics	NE	MA.3.MA 3.3.3.b	Solve simple one-step whole number equations involving addition and subtraction (e.g., "Delta" + 2 = 3)
Adventures in Aeronautics	NE	MA.3.MA 3.3.3.c	Explain the procedure(s) used in solving simple one-step whole number equations involving addition and subtraction
Adventures in Aeronautics			
2009 Mathematics			
Academic Standards			
Nebraska Mathematics			
Grade 4			

Activity/Lesson	State	Standards	
Adventures in Aeronautics	NE	MA.4.MA 4.1.1.c	Compare and order whole numbers and decimals through the hundredths place (e.g., money)
Adventures in Aeronautics	NE	MA.4.MA 4.1.3.c	Multiply two-digit whole numbers
Adventures in Aeronautics	NE	MA.4.MA 4.1.3.e	Mentally compute multiplication and division involving powers of 10
Adventures in Aeronautics	NE	MA.4.MA 4.1.4.a	Estimate the three-digit product and the two-digit quotient of whole number multiplication and division and check the reasonableness
Adventures in Aeronautics	NE	MA.4.MA 4.2.5.c	Solve problems involving elapsed time
Adventures in Aeronautics	NE	MA.4.MA 4.2.5.d	Identify the appropriate metric unit for measuring length, weight, and capacity/volume (e.g., cm, m, Km; g, Kg; mL, L)
Adventures in Aeronautics	NE	MA.4.MA 4.2.5.f	Measure weight and temperature using customary units
Adventures in Aeronautics	NE	MA.4.MA 4.3.1.c	Use "greater than or equal to", "less than or equal to" symbols to compare quantities
Adventures in Aeronautics	NE	MA.4.MA 4.3.2.a	Model situations that involve the multiplication of whole numbers using number lines and symbols
Adventures in Aeronautics	NE	MA.4.MA 4.3.2.b	Describe and model quantitative change involving multiplication (e.g., money doubling)
Adventures in Aeronautics			
2009 Mathematics			
Academic Standards			
Nebraska Mathematics			
Grade 5			
Activity/Lesson	**State**	**Standards**	
Adventures in Aeronautics	NE	MA.5.MA 5.1.1.b	Compare and order whole numbers, fractions, and decimals through the thousandths place
Adventures in Aeronautics	NE	MA.5.MA 5.2.5.e	Measure weight (mass) and temperature using metric units
Adventures in Aeronautics	NE	MA.5.MA 5.3.3.d	Evaluate simple algebraic expressions involving addition and subtraction